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TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 JUL 20 Powerful new interactive analysis and visualization software,  
STN AnaVist, now available  
NEWS 4 AUG 11 STN AnaVist workshops to be held in North America  
NEWS 5 AUG 30 CA/CAPLUS -Increased access to 19th century research documents  
NEWS 6 AUG 30 CASREACT - Enhanced with displayable reaction conditions  
NEWS 7 SEP 09 ACD predicted properties enhanced in REGISTRY/ZREGISTRY  
NEWS 8 OCT 03 MATHDI removed from STN  
NEWS 9 OCT 04 CA/CAPLUS-Canadian Intellectual Property Office (CIPO) added  
to core patent offices  
NEWS 10 OCT 06 STN AnaVist workshops to be held in North America  
NEWS 11 OCT 13 New CAS Information Use Policies Effective October 17, 2005  
NEWS 12 OCT 17 STN(R) AnaVist(TM), Version 1.01, allows the export/download  
of CAPLUS documents for use in third-party analysis and  
visualization tools  
NEWS 13 OCT 27 Free KWIC format extended in full-text databases  
NEWS 14 OCT 27 DIOGENES content streamlined  
NEWS 15 OCT 27 EPFULL enhanced with additional content  
  
NEWS EXPRESS JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005  
  
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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 08:08:06 ON 08 NOV 2005

=> file reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 08:08:26 ON 08 NOV 2005  
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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 6 NOV 2005 HIGHEST RN 866821-44-5  
DICTIONARY FILE UPDATES: 6 NOV 2005 HIGHEST RN 866821-44-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when  
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\*\*\*\*\*  
\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS  
for details.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> E "MEBENDAZOLE"/CN 25

E1	1	MEBAVIN/CN
E2	1	MEBEDROL/CN
E3	1	--> MEBENDAZOLE/CN
E4	1	MEBENDAZOLE NITRATE/CN
E5	1	MEBENFORMIN/CN
E6	1	MEBENIL/CN
E7	1	MEBENIT/CN
E8	1	MEBENOSIDE/CN
E9	1	MEBENVET/CN
E10	1	MEBERYT/CN
E11	1	MEBETIDE/CN
E12	1	MEBETIZOL/CN
E13	1	MEBETIZOLE/CN
E14	1	MEBETUS/CN
E15	1	MEBEVERINE/CN
E16	1	MEBEVERINE HYDROCHLORIDE/CN
E17	1	MEBEX/CN
E18	1	MEBEZONIUM IODIDE/CN
E19	1	MEBHYDROLIN/CN
E20	1	MEBHYDROLIN DISULFONATE/CN
E21	1	MEBHYDROLIN N-OXIDE/CN
E22	1	MEBHYDROLIN NAPADISYLATE/CN
E23	1	MEBHYDROLINE N-OXIDE HYDROCHLORIDE/CN
E24	1	MEBICAR/CN
E25	1	MEBICAR A/CN

=> S E3

L1 1 MEBENDAZOLE/CN

=> DIS L1 1 SQIDE

THE ESTIMATED COST FOR THIS REQUEST IS 6.15 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 31431-39-7 REGISTRY

CN Carbamic acid, (5-benzoyl-1H-benzimidazol-2-yl)-, methyl ester (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2-Benzimidazolecarbamic acid, 5-benzoyl-, methyl ester (8CI)

OTHER NAMES:

CN (5-Benzoyl-1H-benzimidazol-2-yl)carbamic acid methyl ester

CN 5-Benzoyl-2-benzimidazolecarbamic acid methyl ester

CN Bantenol

CN Besantin

CN Equivurm Plus

CN Lomper

CN Mebendazole

CN Mebenvet

CN Mebex

CN Methyl 5-benzoyl-2-benzimidazolecarbamate

CN Methyl 5-benzoyl-2-benzimidazolylcarbamate

CN Noverme

CN NSC 184849

CN Ovitelmin

CN Pantelmin

CN R 17635

CN Telmin

CN Vermicidin

CN Vermirax

CN Vermox

CN Verpanyl

FS 3D CONCORD

DR 52776-90-6

MF C16 H13 N3 O3

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DIOGENES, DRUGU, EMBASE, HSDB\*, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK\*, MSDS-OHS, NIOSHTIC, PHAR, PIRA, PROMT, PS, RTECS\*, SPECINFO, TOXCENTER, ULIDAT, USAN, USPATFULL, VETU

(\*File contains numerically searchable property data)

Other Sources: EINECS\*\*, WHO

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

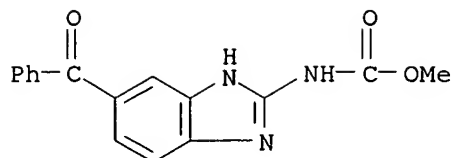
DT.CA Caplus document type: Conference; Dissertation; Journal; Patent; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PRP (Properties); RACT (Reactant or reagent); USES (Uses)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

901 REFERENCES IN FILE CA (1907 TO DATE)  
 16 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 901 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

6.87

7.08

FILE 'CAPLUS' ENTERED AT 08:09:14 ON 08 NOV 2005

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FILE COVERS 1907 - 8 Nov 2005 VOL 143 ISS 20

FILE LAST UPDATED: 7 Nov 2005 (20051107/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 11

L2 901 L1

=> s cancer? or tumor? or neoplas?

274515 CANCER?

407792 TUMOR?

428147 NEOPLAS?

L3 675215 CANCER? OR TUMOR? OR NEOPLAS?

=> s 13 (1) 12

L4 10 L3 (L) L2

=> s apopto? or (cell death)

112734 APOPTO?

1983301 CELL

1742954 CELLS

2634207 CELL

(CELL OR CELLS)

127711 DEATH  
10360 DEATHS  
135132 DEATH  
(DEATH OR DEATHS)

53844 CELL DEATH

(CELL(W) DEATH)

L5 135217 APOPTO? OR (CELL DEATH)

=> s l4 not py>2000

5160221 PY>2000

L6 3 L4 NOT PY>2000

=> d ibib 1-3

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1985:571465 CAPLUS

DOCUMENT NUMBER: 103:171465

TITLE: Computer-assisted structure-anticancer activity  
correlations of carbamates and thiocarbamates

AUTHOR(S): Nasr, Mohamed; Paull, Kenneth D.; Narayanan, V. L.

CORPORATE SOURCE: Starks C. P., Rockville, MD, 20852, USA

SOURCE: Journal of Pharmaceutical Sciences (1985), 74(8),  
831-6

CODEN: JPMSAE; ISSN: 0022-3549

DOCUMENT TYPE: Journal

LANGUAGE: English

L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1977:83665 CAPLUS

DOCUMENT NUMBER: 86:83665

TITLE: Embryotoxic and antimitotic properties of  
benzimidazole compounds

AUTHOR(S): Delatour, P.; Richard, Y.

CORPORATE SOURCE: Lab. Toxicol. Virol., Ec. Natl. Vet. Lyon, Lyons, Fr.

SOURCE: Therapie (1976), 31(4), 505-15

CODEN: THERAP; ISSN: 0040-5957

DOCUMENT TYPE: Journal

LANGUAGE: French

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1976:144910 CAPLUS

DOCUMENT NUMBER: 84:144910

TITLE: Embryotoxic and antimitotic properties of  
parbendazole, mebendazole and cambendazole

AUTHOR(S): Delatour, Paul; Lorgue, Guy; Lapras, Michel; Richard,  
Yves

CORPORATE SOURCE: Lab. Toxicol., Ec. Natl. Vet. Lyon, Lyons, Fr.

SOURCE: Comptes Rendus des Seances de l'Academie des Sciences,  
Serie D: Sciences Naturelles (1976), 282(5), 517-18

CODEN: CHDDAT; ISSN: 0567-655X

DOCUMENT TYPE: Journal

LANGUAGE: French

=> d ibib abs 1

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1985:571465 CAPLUS

DOCUMENT NUMBER: 103:171465

TITLE: Computer-assisted structure-anticancer activity  
correlations of carbamates and thiocarbamates

AUTHOR(S): Nasr, Mohamed; Paull, Kenneth D.; Narayanan, V. L.

CORPORATE SOURCE: Starks C. P., Rockville, MD, 20852, USA

SOURCE: Journal of Pharmaceutical Sciences (1985), 74(8),

831-6

CODEN: JPMSAE; ISSN: 0022-3549

DOCUMENT TYPE:

Journal

LANGUAGE:

English

AB With the aid of the computer, .apprx.8000 compds. that incorporate a carbamate or thiocarbamate moiety, which have been tested as potential anticancer agents at the National Cancer Institute (NCI), were classified and their structure-activity correlations against the in vivo P-388 and L-1210 leukemias were evaluated. Aromatic carbamates and thiocarbamates had good activity against P-388 and poor activity against L-1210. The majority of active compds. in this series of aromatic carbamates possessed a 2- or 4-heteroatom-substituted Ph attached to the carbamate O atom or the thiocarbamate S atom with the carbamate N atom as NHMe. The N-Ph carbamates were much less active against P-388 than the Ph carbamates; only bis-N-Ph carbamates with a methylene bridge between the 2 Ph groups showed good activity against both P-388 and L-1210 leukemias. Except for the mycophenolic acid carbamates, the fused Ph carbamates showed poor activity against both P-388 and L-1210 leukemias. Certain N-heterocyclic carbamates and carbamates with heteroatom substituents were selected by the NCI for development toward clin. trials. The nature of the heterocyclic carrier and the position of attachment to the carbamate moiety have a major role on the mode of action of the antitumor activity of these compds.

=> d his

(FILE 'HOME' ENTERED AT 08:08:06 ON 08 NOV 2005)

FILE 'REGISTRY' ENTERED AT 08:08:26 ON 08 NOV 2005

E "MEBENDAZOLE"/CN 25

L1 1 S E3

FILE 'CAPLUS' ENTERED AT 08:09:14 ON 08 NOV 2005

L2 901 S L1

L3 675215 S CANCER? OR TUMOR? OR NEOPLAS?

L4 10 S L3 (L) L2

L5 135217 S APOPTO? OR (CELL DEATH)

L6 3 S L4 NOT PY>2000

=> s l5 (1) l2

L7 1 L5 (L) L2

=> d ibib 1

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2003:69732 CAPLUS

DOCUMENT NUMBER: 139:30325

TITLE: The anthelmintic drug mebendazole induces mitotic arrest and apoptosis by depolymerizing tubulin in non-small cell lung cancer cells

AUTHOR(S): Sasaki, Ji-ichiro; Ramesh, Rajagopal; Chada, Sunil; Gomyo, Yoshihito; Roth, Jack A.; Mukhopadhyay, Tapas

CORPORATE SOURCE: Section of Thoracic Molecular Oncology, Departments of Thoracic and Cardiovascular Surgery, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 77030, USA

SOURCE: Molecular Cancer Therapeutics (2002), 1(13), 1201-1209  
CODEN: MCTOCF; ISSN: 1535-7163

PUBLISHER: American Association for Cancer Research

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s l4 not py>2001  
4214799 PY>2001  
L8 3 L4 NOT PY>2001

=> s l4 not py>2002  
3226675 PY>2002  
L9 5 L4 NOT PY>2002

=> d ibib 1-2

L9 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 2003:69732 CAPLUS  
DOCUMENT NUMBER: 139:30325  
TITLE: The anthelmintic drug mebendazole induces mitotic arrest and apoptosis by depolymerizing tubulin in non-small cell lung cancer cells  
AUTHOR(S): Sasaki, Ji-ichiro; Ramesh, Rajagopal; Chada, Sunil; Gomyo, Yoshihito; Roth, Jack A.; Mukhopadhyay, Tapas  
CORPORATE SOURCE: Section of Thoracic Molecular Oncology, Departments of Thoracic and Cardiovascular Surgery, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 77030, USA  
SOURCE: Molecular Cancer Therapeutics (2002), 1(13), 1201-1209  
CODEN: MCTOCF; ISSN: 1535-7163  
PUBLISHER: American Association for Cancer Research  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 2002:781148 CAPLUS  
DOCUMENT NUMBER: 138:331299  
TITLE: Mebendazole elicits a potent antitumor effect on human cancer cell lines both in vitro and in vivo  
AUTHOR(S): Mukhopadhyay, Tapas; Sasaki, Ji-ichiro; Ramesh, Rajagopal; Roth, Jack A.  
CORPORATE SOURCE: Department of Thoracic and Cardiovascular Surgery, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 77030, USA  
SOURCE: Clinical Cancer Research (2002), 8(9), 2963-2969  
CODEN: CCREF4; ISSN: 1078-0432  
PUBLISHER: American Association for Cancer Research  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s pctfull  
0 PCTFULL  
L10 0 PCTFULL

=> file pctfull		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	31.75	38.83
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.73	-0.73

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FILE LAST UPDATED: 2 NOV 2005 <20051102/UP>  
MOST RECENT UPDATE WEEK: 200543 <200543/EW>  
FILE COVERS 1978 TO DATE

>>> IMAGES ARE AVAILABLE ONLINE AND FOR EMAIL-PRINTS <<<

>>> KWIC format free of charge - SEE NEWS >>>

=> s mebendazole/cn  
'CN' IS NOT A VALID FIELD CODE  
L11 0,MEBENDAZOLE/CN

=> s mebendazole  
L12 350 MEBENDAZOLE

=> s cancer? or tumor? or neoplas?  
72762 CANCER?  
60978 TUMOR?  
20988 NEOPLAS?  
L13 90821 CANCER? OR TUMOR? OR NEOPLAS?

=> s l13 and l12  
L14 182 L13 AND L12

=> s l12/clm  
L15 48 (MEBENDAZOLE/CLM)

=> s l13/clm  
20486 CANCER?/CLM  
14176 TUMOR?/CLM  
3390 NEOPLAS?/CLM  
L16 29499 (CANCER?/CLM OR TUMOR?/CLM OR NEOPLAS?/CLM)

=> s l16 and l15  
L17 10 L16 AND L15

=> s l17 not py>2001  
428385 PY>2001  
L18 1 L17 NOT PY>2001

=> d ibib

L18 ANSWER 1 OF 1 PCTFULL COPYRIGHT 2005 Univentio on STN  
ACCESSION NUMBER: 1998018610 PCTFULL ED 20020514  
TITLE (ENGLISH): EMBEDDING AND ENCAPSULATION OF CONTROLLED RELEASE  
PARTICLES  
TITLE (FRENCH): INCLUSION ET ENCAPSULATION DE PARTICULES A LIBERATION  
CONTROLEE  
INVENTOR(S): VAN Lengerich, Bernhard, H.  
PATENT ASSIGNEE(S): VAN Lengerich, Bernhard, H.  
LANGUAGE OF PUBL.: English  
DOCUMENT TYPE: Patent  
PATENT INFORMATION:  

NUMBER	KIND	DATE
WO 9818610	A1	19980507

  
DESIGNATED STATES  
W: AU CA JP NO PL US AT BE CH DE DK ES FI FR GB GR IE IT  
LU MC NL PT SE  
APPLICATION INFO.: WO 1997-US18984 A 19971027  
PRIORITY INFO.: US 1996-60/029,038 19961028



=> d kwic

L18 ANSWER 1 OF 1 PCTFULL COPYRIGHT 2005 Univentio on STN

CLMEN. . . mafenide acetate, magaldrte, magnesium carbonate,  
magnesiumchloride,  
magnesium gluconate, magnesium oxide, other magnesium salts, malathionon,  
manganese salts, manganese, maprotiline hydrochloride, mazindol, measles  
virus  
vaccine, mebendazole, mebrotfenin, mecamlamine hydrochloride,  
meclizine  
hydrochloride, meclocycline, meclofenamate sodium, medroxyprogesterone  
acetate, mefenamic acid, megestrol acetate, meglumine, melphalan,  
menadiol  
sodium diphosphate, menadione, menotropine, meperidine, mephenytoin,  
mephobarbital,. . .  
. . .  
antibiotics, nutritional supplements, enzymes, fonnations  
containing zidovudine, macromolecular polypeptides, aromatic nitro and  
nitroso  
compounds and their metabolites useful as anti-viral and anti  
tumor agents, HIV  
protease inhibitors, antibiotics, viruses, pigments, steroids,  
oligopeptides,  
dipeptides, amino acids, flavor components, fragrance components,  
detergents  
and surface-active components, lipid derivatives of. . .

=> d his

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FILE 'REGISTRY' ENTERED AT 08:08:26 ON 08 NOV 2005

E "MEBENDAZOLE"/CN 25

L1 1 S E3

FILE 'CAPLUS' ENTERED AT 08:09:14 ON 08 NOV 2005

L2 901 S L1  
L3 675215 S CANCER? OR TUMOR? OR NEOPLAS?  
L4 10 S L3 (L) L2  
L5 135217 S APOPTO? OR (CELL DEATH)  
L6 3 S L4 NOT PY>2000  
L7 1 S L5 (L) L2  
L8 3 S L4 NOT PY>2001  
L9 5 S L4 NOT PY>2002  
L10 0 S PCTFULL

FILE 'PCTFULL' ENTERED AT 08:14:06 ON 08 NOV 2005

L11 0 S MEBENDAZOLE/CN  
L12 350 S MEBENDAZOLE  
L13 90821 S CANCER? OR TUMOR? OR NEOPLAS?  
L14 182 S L13 AND L12  
L15 48 S L12/CLM  
L16 29499 S L13/CLM  
L17 10 S L16 AND L15  
L18 1 S L17 NOT PY>2001

=> s l12/ab

L19 2 (MEBENDAZOLE/AB)

=> s 119 and 113  
L20 2 L19 AND L13

=> d ibib 1-2

L20 ANSWER 1 OF 2 PCTFULL COPYRIGHT 2005 Univentio on STN  
ACCESSION NUMBER: 2005018623 PCTFULL ED 20050309 EW 200509  
TITLE (ENGLISH): PARENTERAL AND ORAL FORMULATIONS OF BENZIMIDAZOLES  
TITLE (FRENCH): FORMULATIONS PARENTERALES ET ORALES DE BENZIMIDAZOLES  
INVENTOR(S): CHOW, Diana, Shu-Lian, 11730 Winshire Circle, Houston,  
TX 77024, US [CA, US];  
LIANG, Dong, 11504 Ivory Creek Drive, Pearland, TX  
77584, US [US, US]  
PATENT ASSIGNEE(S): THE UNIVERSITY OF HOUSTON, 4800 Calhoun Road, Houston,  
TX 77204, US [US, US], for all designates States except  
US;  
CHOW, Diana, Shu-Lian, 11730 Winshire Circle, Houston,  
TX 77024, US [CA, US], for US only;  
LIANG, Dong, 11504 Ivory Creek Drive, Pearland, TX  
77584, US [US, US], for US only  
AGENT: HIGHLANDER, Steven, L.\$, Fulbright & Jaworski, LLP, 600  
Congress Avenue, Suite 2400, Austin, Texas 78701\$, US  
LANGUAGE OF FILING: English  
LANGUAGE OF PUBL.: English  
DOCUMENT TYPE: Patent  
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2005018623	A2	20050303

DESIGNATED STATES

W:

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO  
CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR  
HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV  
MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO  
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ VC  
VN YU ZA ZM ZW

RW (ARIPO):

BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

RW (EAPO):

AM AZ BY KG KZ MD RU TJ TM

RW (EPO):

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU  
MC NL PL PT RO SE SI SK TR

RW (OAPI):

BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

APPLICATION INFO.:

WO 2004-US26168 A 20040812

PRIORITY INFO.:

US 2003-60/640,467 20030813

L20 ANSWER 2 OF 2 PCTFULL COPYRIGHT 2005 Univentio on STN  
ACCESSION NUMBER: 2004047842 PCTFULL ED 20040615 EW 200424  
TITLE (ENGLISH): TREATMENT OF IMMUNE SYSTEM DYSFUNCTION  
TITLE (FRENCH): TRAITEMENT D'UN DYSFONCTIONNEMENT DU SYSTEME  
IMMUNITAIRE  
INVENTOR(S): SCHEEPERS, Charles, 101 Lynwool Flats, Hope Street,  
8001 Cape Town, ZA [ZA, ZA]  
PATENT ASSIGNEE(S): MOORE, Bronwyn, 8 Oak Street, 7925 Observatory, ZA [ZA,  
ZA], for all designates States except US;  
MOORE, David, Daniel, 8 Oak Street, 7925 Observatory,  
ZA [ZA, ZA], for all designates States except US;  
SCHEEPERS, Charles, 101 Lynwool Flats, Hope Street,  
8001 Cape Town, ZA [ZA, ZA], for US only  
AGENT: TRUTER, Kenneth, Colin\$, Adams & Adams, 3203 Absa Bank  
Building, Heerengracht, P O Box 1513, 8001 Cape Town\$,  
ZA  
LANGUAGE OF FILING: English  
LANGUAGE OF PUBL.: English  
DOCUMENT TYPE: Patent  
PATENT INFORMATION:

	NUMBER	KIND	DATE
	WO 2004047842	A1	20040610
DESIGNATED STATES			
W:	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW		
RW (ARIPO):	GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW		
RW (EAPO):	AM AZ BY KG KZ MD RU TJ TM		
RW (EPO):	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR		
RW (OAPI):	BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG		
APPLICATION INFO.:	WO 2003-IB3888	A	20030912
PRIORITY INFO.:	ZA 2002-2002/9680		20021128

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.68	46.51
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.73

STN INTERNATIONAL LOGOFF AT 08:16:58 ON 08 NOV 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1	Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	"Ask CAS" for self-help around the clock
NEWS	3 JUL 20	Powerful new interactive analysis and visualization software, STN AnaVist, now available
NEWS	4 AUG 11	STN AnaVist workshops to be held in North America
NEWS	5 AUG 30	CA/CAPLUS -Increased access to 19th century research documents

NEWS 6 AUG 30 CASREACT - Enhanced with displayable reaction conditions  
 NEWS 7 SEP 09 ACD predicted properties enhanced in REGISTRY/ZREGISTRY  
 NEWS 8 OCT 03 MATHDI removed from STN  
 NEWS 9 OCT 04 CA/CAPlus-Canadian Intellectual Property Office (CIPO) added  
 to core patent offices  
 NEWS 10 OCT 06 STN AnaVist workshops to be held in North America  
 NEWS 11 OCT 13 New CAS Information Use Policies Effective October 17, 2005  
 NEWS 12 OCT 17 STN(R) AnaVist(TM), Version 1.01, allows the export/download  
 of CAPlus documents for use in third-party analysis and  
 visualization tools  
 NEWS 13 OCT 27 Free KWIC format extended in full-text databases  
 NEWS 14 OCT 27 DIOGENES content streamlined  
 NEWS 15 OCT 27 EPFULL enhanced with additional content

NEWS EXPRESS JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT  
 MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
 AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
 NEWS INTER General Internet Information  
 NEWS LOGIN Welcome Banner and News Items  
 NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
 NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that  
 specific topic.

All use of STN is subject to the provisions of the STN Customer  
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 research. Use for software development or design or implementation  
 of commercial gateways or other similar uses is prohibited and may  
 result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 10:29:40 ON 08 NOV 2005

=> file registry

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 10:29:55 ON 08 NOV 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file  
 provided by InfoChem.

STRUCTURE FILE UPDATES: 6 NOV 2005 HIGHEST RN 866821-44-5

DICTIONARY FILE UPDATES: 6 NOV 2005 HIGHEST RN 866821-44-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when  
 conducting SmartSELECT searches.

\*\*\*\*\*  
 \*  
 \* The CA roles and document type information have been removed from \*  
 \* the IDE default display format and the ED field has been added, \*

\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS  
for details.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> E "FENBENDAZOLE"/CN 25

E1	1	FENBAL 7/CN
E2	1	FENBENDAZOL/CN
E3	1 -->	FENBENDAZOLE/CN
E4	1	FENBENDAZOLE SULFONE/CN
E5	1	FENBENDAZOLE SULFOXIDE/CN
E6	1	FENBENICILLIN POTASSIUM SALT/CN
E7	1	FENBID/CN
E8	1	FENBION/CN
E9	1	FENBUCONAZOLE/CN
E10	1	FENBUFEN/CN
E11	1	FENBUFEN COA/CN
E12	1	FENBUFEN GLUCURONIDE/CN
E13	1	FENBUFEN METHYL ESTER/CN
E14	1	FENBUFEN SODIUM/CN
E15	1	FENBUTATIN OXIDE/CN
E16	1	FENBUTATIN OXIDE-IKI 220 MIXT./CN
E17	1	FENBUTRAZATE/CN
E18	1	FENBUTRAZATE HYDROCHLORIDE/CN
E19	1	FENBUTRAZATUM/CN
E20	1	FENC PROTEIN (BACILLUS AMYLOLIQUEFACIENS STRAIN FZB42 GENE FENC FENGYCIN SYNTHESI-ASSOCIATED)/CN
E21	1	FENCAMFAMIN/CN
E22	1	FENCAMFAMIN HYDROCHLORIDE/CN
E23	1	FENCAMFAMINE/CN
E24	1	FENCAMFAMINE HYDROCHLORIDE/CN
E25	1	FENCAMFAMINUM/CN

=> S E3

L1 1 FENBENDAZOLE/CN

=> DIS L1 1 SQIDE

THE ESTIMATED COST FOR THIS REQUEST IS 6.15 U.S. DOLLARS  
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

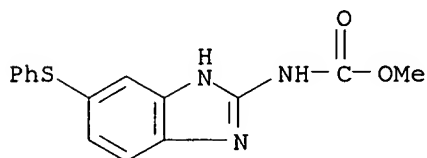
RN 43210-67-9 REGISTRY

CN Carbamic acid, [5-(phenylthio)-1H-benzimidazol-2-yl]-, methyl ester (9CI)  
(CA INDEX NAME)

OTHER NAMES:

CN	2-(Methoxycarbonylamino)-5-(phenylthio)benzimidazole
CN	Febendazole
CN	Fenbendazol
CN	Fenbendazole
CN	Fenbion
CN	HOE 881
CN	Methyl 5-(phenylthio)-2-benzimidazolecarbamate
CN	Methyl [5-(phenylthio)-1H-benzimidazol-2-yl]carbamate
CN	Panacur

CN Safe-Guard  
 FS 3D CONCORD  
 DR 53571-02-1  
 MF C15 H13 N3 O2 S  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOBUSINESS, BIOSIS,  
 BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CHEMCATS,  
 CHEMLIST, CIN, CSCHEM, DDFU, DIOGENES, DRUGU, EMBASE, IFICDB, IFIPAT,  
 IFIUDB, IPA, MEDLINE, MRCK\*, NIOSHTIC, PIRA, PROMT, RTECS\*, SPECINFO,  
 TOXCENTER, ULIDAT, USAN, USPATFULL, VETU  
 (\*File contains numerically searchable property data)  
 Other Sources: EINECS\*\*, WHO  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)  
 DT.CA Caplus document type: Conference; Dissertation; Journal; Patent  
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);  
 PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or  
 reagent); USES (Uses)  
 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical  
 study); BIOL (Biological study); USES (Uses)  
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological  
 study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP  
 (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or  
 reagent); USES (Uses)  
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical  
 study); BIOL (Biological study); PREP (Preparation); PROC (Process)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

647 REFERENCES IN FILE CA (1907 TO DATE)  
 8 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 648 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	7.73	7.94

STN INTERNATIONAL LOGOFF AT 10:31:28 ON 08 NOV 2005